

Title (en)

TRANSPARENT LOW-COLOUR LITHIUM ALUMINIUM SILICATE GLASS CERAMIC AND THE USE THEREOF

Title (de)

TRANSPARENTE FARBARME LITHIUMALUMINIUMSILIKAT-GLASKERAMIK UND DEREN VERWENDUNG

Title (fr)

VITROCÉRAMIQUE TRANSPARENTE PEU COLORÉE À BASE DE SILICATE DE LITHIUM ET D'ALUMINIUM ET UTILISATION DE LADITE VITROCÉRAMIQUE

Publication

EP 2817269 B1 20190731 (DE)

Application

EP 13705196 A 20130221

Priority

- DE 102012202697 A 20120222
- EP 2013053485 W 20130221

Abstract (en)

[origin: WO2013124373A1] A transparent low-colour lithium aluminium silicate (LAS) glass ceramic and the use thereof are described, said glass ceramic having an environmentally friendly composition with high-quartz mixed crystals as the main crystal phase and advantageous production features. The glass ceramic contains the following components (in wt% on the basis of oxide): TiO₂ 1.6 - < 2.5; Nd₂O₃ 0.005 - 0.15; MgO 0.2 - 1.0; ZnO 1 - 2.5; CaO + SrO 0 - 1.5; BaO 0 - 1.5 with the condition B1: MgO + ZnO > CaO + SrO + BaO. The glass ceramic has a hue c* of less than 5.5, a light transmission Y greater than 81% and has no visually disruptive diffusion.

IPC 8 full level

C03C 10/00 (2006.01); **C03C 3/095** (2006.01)

CPC (source: EP US)

C03C 3/095 (2013.01 - EP US); **C03C 10/0009** (2013.01 - US); **C03C 10/0027** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

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